

Exh A

Diego M. PROVVEDINI, M.D.

Curriculum Vitae

EDUCATION

UNDERGRADUATE

1971: College "C. Arici" Cremona, Italy: Diploma

GRADUATE

1978: University of Parma, Italy: M.D.

1978 - 80: Internship, Department of Gerontology and Geriatrics,
Parma Geriatric Hospital, Italy

1980 - 81: Junior Resident in Medicine, University of Parma Research
and Education Hospitals, Italy

1981 - 82: Senior Resident in Medicine, University of Parma Medical Service,
Parma Geriatric Hospital, Italy

POSTDOCTORAL

1981 - 82: Clinical Research Fellow, Department of Gerontology and Geriatrics,
University of Parma, Italy

1982 - 83: Clinical Research Fellow, Department of Medicine, UC-San Diego and
VAMC Endocrine Section, La Jolla, California

SPECIALTY BOARD STATUS

1980: Certified in Gerontology and Geriatrics, University of Parma

1985: Certified in Internal Medicine, University of Parma

HOSPITAL AND ACADEMIC APPOINTMENTS:

1983 - 87: Assistant Research Endocrinologist, Department of Medicine, UC-San Diego
and VAMC Endocrine Section, La Jolla, California

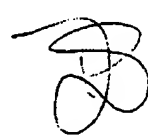
1988 - 91: Senior Research Assistant, Department of Immunology, Scripps Clinic and
Research Foundation (The Scripps Research Institute), La Jolla, California

1992 - 93: Research Biochemist, Stein Institute for Research on Aging, Department
of Medicine, UC-San Diego

EMPLOYMENT AND POSITIONS:

1994 - 99: International Project Leader, Institut de Recherches Internationales Servier,
Paris - Courbevoie, France

1999 - 2002: International Project Coordinator, NEGMA Laboratories, Toussus le Noble,
France



HONORS, AWARDS AND GRANTS:

1978: Sandoz - Calcitonin Foundation International Clinical Research Award
1983: NIH-NIDDK "RO-1" Award: Co-Investigator
1984: UCSD Clinical Research Annual Award
1986: UCSD Clinical Research Annual Award
1987-92: NIH-NIAID "FIRST" Investigator Award: Principal Investigator

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

American College of Rheumatology (ACR)
American Society for Bone and Mineral Research (ASBMR)
European League Against Rheumatic Diseases (EULAR)
Osteoarthritis Research International (OARSI)

SELECTED SCIENTIFIC PUBLICATIONS:

- 1: Brandt KD, Mazzuca SA, Conrozier T, Dacre JE, Peterfy CG, Provvedini D, Ravaud P, Taccoen A, Vignon E. Which is the best radiographic protocol for a clinical trial of a structure modifying drug in patients with knee osteoarthritis? *J Rheumatol*. 2002 Jun;29(6):1308-20.
- 2: Huang R, Rosenbach M, Vaughn R, Provvedini D, Rebbe N, Hickman S, Goding J, Terkeltaub R. Expression of the murine plasma cell nucleotide pyrophosphohydrolase PC-1 is shared by human liver, bone, and cartilage cells. Regulation of PC-1 expression in osteosarcoma cells by transforming growth factor-beta. *J Clin Invest*. 1994 Aug;94(2):560-7.
- 3: Sundelin JB, Provvedini DM, Wahlestedt CR, Laurell H, Pohl JS, Peterson PA.. Molecular cloning of the murine substance K and substance P receptor genes. *Eur J Biochem*. 1992 Feb 1;203(3):625-31.
- 4: Tsoukas CD, Watry D, Escobar SS, Provvedini DM, Dinarello CA, Hustmyer FG, Manolagas SC. Inhibition of interleukin-1 production by 1,25-dihydroxyvitamin D3. *J Clin Endocrinol Metab*. 1989 Jul;69(1):127-33.
- 5: Provvedini DM, Manolagas SC. 1alpha,25-dihydroxyvitamin D3 receptor distribution and effects in subpopulations of normal human T lymphocytes. *J Clin Endocrinol Metab*. 1989 Apr;68(4):774-9.
- 6: Provvedini DM, Sakagami Y, Manolagas SC. Distinct target cells and effects of 1alpha,25-dihydroxyvitamin D3 and glucocorticoids in the rat thymus gland. *Endocrinology*. 1989 Mar;124(3):1532-8.
- 7: Provvedini DM, Rulot CM, Sobol RE, Tsoukas CD, Manolagas SC. 1 alpha, 25-dihydroxyvitamin D3 receptors in human thymic and tonsillar lymphocytes. *J Bone Miner Res*. 1987 Jun;2(3):239-47.
- 8: Murray E, Provvedini D, Curran D, Catherwood B, Sussman H, Manolagas S. Characterization of a human osteoblastic osteosarcoma cell line (SAOS-2) with high bone alkaline phosphatase activity. *J Bone Miner Res*. 1987 Jun;2(3):231-8.



- 9: Manolagas SC, Provvedini DM, Murray EJ, Murray SS, Tsonis PA, Spandidos DA.. Association between the expression of the c-myc oncogene mRNA and the expression of the receptor protein for 1,25-dihydroxyvitamin D3. *Proc Natl Acad Sci* 1987 Feb;84(3):856-60.
- 10: Manolagas SC, Werntz DA, Tsoukas CD, Provvedini DM, Vaughan JH. 1,25-Dihydroxyvitamin D3 receptors in lymphocytes from patients with rheumatoid arthritis. *J Lab Clin Med*. 1986 Dec;108(6):596-600.
- 11: Manolagas SC, Provvedini DM, Murray EJ, Tsoukas CD, Deftos LJ. The antiproliferative effect of calcitriol on human peripheral blood mononuclear cells. *J Clin Endocrinol Metab*. 1986 Aug;63(2):394-400.
- 12: Provvedini DM, Tsoukas CD, Deftos LJ, Manolagas SC. 1 alpha,25-Dihydroxyvitamin D3-binding macromolecules in human B lymphocytes: effects on immunoglobulin production. *J Immunol*. 1986 Apr 15;136(8):2734-40.
- 13: Morel PA, Manolagas SC, Provvedini DM, Wegmann DR, Chiller JM. Interferon-gamma-induced IA expression in WEHI-3 cells is enhanced by the presence of 1,25-dihydroxyvitamin D3. *J Immunol*. 1986 Mar 15;136(6):2181-6.
- 14: Provvedini DM, Deftos LJ, Manolagas SC. 1,25-Dihydroxyvitamin D3 promotes in vitro morphologic and enzymatic changes in normal human monocytes consistent with their differentiation into macrophages. *Bone*. 1986;7(1):23-8.
- 15: Manolagas SC, Provvedini DM, Tsoukas CD. Interactions of 1,25-dihydroxyvitamin D3 and the immune system. *Mol Cell Endocrinol*. 1985 Dec;43(2-3):113-22.
- 16: Tsoukas CD, Provvedini DM, Manolagas SC. 1,25-dihydroxyvitamin D3: a novel immunoregulatory hormone. *Science*. 1984 Jun 29;224(4656):1438-40.
- 17: Provvedini DM, Deftos LJ, Manolagas SC. 1,25-Dihydroxyvitamin D3 receptors in a subset of mitotically active lymphocytes from rat thymus. *Biochem Biophys Res Commun*. 1984 May 31;121(1):277-83.
- 18: Provvedini DM, Tsoukas CD, Deftos LJ, Manolagas SC. 1,25-dihydroxyvitamin D3 receptors in human leukocytes. *Science*. 1983 Sep 16;221(4616):1181-3.
- 19: Passeri M, Provvedini D. [Vitamin E in geriatric physiopathology] *Acta Vitaminol Enzymol*. 1983;5(1):53-63.
- 20: Ceda GP, Valenti G, Dall'Aglio E, Palummeri E, Provvedini D, Butturini U. Does calcitonin modulate anterior pituitary hormone secretion? *J Endocrinol Invest*. 1982 Sep-Oct;5(5):327-30.
- 21: Passeri M, Provvedini D. Vitamins: their relationship to atherosclerosis. *Acta Vitaminol Enzymol*. 1982;4(1-2):169-77.
- 22: Palummeri E, Provvedini D, Cucinotta D, Cella L, Cervellin G, Di Ruvo R, Marchesi M, Passeri M. [Relations between gastrin and calcitonin secretion after a protein meal in young and elderly subjects]. *G Clin Med*. 1981 Jun;62(6):394-407.
- 23: Di Ruvo R, Palummeri E, Cervellin G, Marchesi M, Provvedini D, Monica C, Passeri M. [Relations between calcitonin and gastrin secretion after administration of calcium in young and elderly subjects]. *G Clin Med*. 1981 Jun;62(6):381-93.